

Refine Search

Search Results -

Terms	Documents
(charg\$3 near3 collection)	13

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L3

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Saturday, July 23, 2005 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=TDBD; PLUR=YES; OP=OR

L3 (charg\$3 near3 collection)13 L3L2 (charg\$3 near3 collection) and bill\$3 near3 collect\$30 L2

DB=JPAB; PLUR=YES; OP=OR

L1 (charg\$3 near3 collection) and bill\$3 near3 collect\$313 L1

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 10 of 13 returned.

☐ 1. Document ID: NB9309311

L3: Entry 1 of 13

File: TDBD

Sep 1, 1993

TDB-ACC-NO: NB9309311

DISCLOSURE TITLE: 1/R**4 Shape Envelope for Macromolecules

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw D
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☐ 2. Document ID: NB9209143

L3: Entry 2 of 13

File: TDBD

Sep 1, 1992

TDB-ACC-NO: NB9209143

DISCLOSURE TITLE: CMOS Well Structure for Decreasing Soft Error Rate.

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw D
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☐ 3. Document ID: NB910927

L3: Entry 3 of 13

File: TDBD

Sep 1, 1991

TDB-ACC-NO: NB910927

DISCLOSURE TITLE: CMOS DRAM Design Layout to Improve Soft Error Immunity.

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw D
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☐ 4. Document ID: NN86034243

L3: Entry 4 of 13

File: TDBD

Mar 1, 1986

TDB-ACC-NO: NN86034243

DISCLOSURE TITLE: Low-Pass Resistive Decoupling Elements for Desensitizing Bipolar Cross-Coupled Circuits to Single Event Upsets

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw D
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☐ 5. Document ID: NN86034233

L3: Entry 5 of 13

File: TDBD

Mar 1, 1986

TDB-ACC-NO: NN86034233

DISCLOSURE TITLE: N+ Recombinant Collector Structure for Reduction of Soft Error Rates in Bipolar Random-Access Memory Cells

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw D
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☐ 6. Document ID: NN84113318

L3: Entry 6 of 13

File: TDBD

Nov 1, 1984

TDB-ACC-NO: NN84113318

DISCLOSURE TITLE: Transient Mode Soft Fail Emitter-Coupled Logic Bipolar Static Cell Test Site

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	INMC	Draw D
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7. Document ID: NN83102569

L3: Entry 7 of 13

File: TDBD

Oct 1, 1983

TDB-ACC-NO: NN83102569

DISCLOSURE TITLE: Simple Fabrication Technique to Implement a Buried N-Type Grid Under a Memory Array for Protection Against Radiation-Induced Soft-Errors

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	INMC	Draw D
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8. Document ID: NN8307632

L3: Entry 8 of 13

File: TDBD

Jul 1, 1983

TDB-ACC-NO: NN8307632

DISCLOSURE TITLE: Measurement of Substrate Impurity Concentration by the Use of Alphaparticle Radiation

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	INMC	Draw D
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9. Document ID: NA83045547

L3: Entry 9 of 13

File: TDBD

Apr 1, 1983

TDB-ACC-NO: NA83045547

DISCLOSURE TITLE: Laser Plate Storage. April 1983.

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	K00C	Draw De
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☐ 10. Document ID: NA81123234

L3: Entry 10 of 13

File: TDBD

Dec 1, 1981

TDB-ACC-NO: NA81123234

DISCLOSURE TITLE: Soft Error Rate Reduction in Circuits by Selective Application of Protective Barriers. December 1981.

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	K00C	Draw De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
(charg\$3 near3 collection)	13

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Generate OACS				

Search Results - Record(s) 11 through 13 of 13 returned.

☐ 11. Document ID: NN80055326

L3: Entry 11 of 13

File: TDBD

May 1, 1980

TDB-ACC-NO: NN80055326

DISCLOSURE TITLE: Proton Implantation Process for Reducing Alpha Induced "Soft Errors". May 1980.

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KM/C	Draw D
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☐ 12. Document ID: NA80013208

L3: Entry 12 of 13

File: TDBD

Jan 1, 1980

TDB-ACC-NO: NA80013208

DISCLOSURE TITLE: Reduction of Alpha Induced Soft Errors in Dynamic Memories. January 1980.

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KM/C	Draw D
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☐ 13. Document ID: NN75122159

L3: Entry 13 of 13

File: TDBD

Dec 1, 1975

TDB-ACC-NO: NN75122159

DISCLOSURE TITLE: Integrated Hadamard Image Scanner. December 1975.

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	COMM	Draw. De
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Terms	Documents
(charg\$3 near3 collection)	13

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Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 10 of 13 returned.

☐ 1. Document ID: JP 2005010946 A

L1: Entry 1 of 13

File: JPAB

Jan 13, 2005

PUB-NO: JP02005010946A

DOCUMENT-IDENTIFIER: JP 2005010946 A

TITLE: BILL COLLECTION METHOD AND SYSTEM AND BILL COLLECTION SHEET

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw D
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☐ 2. Document ID: JP 2004310645 A

L1: Entry 2 of 13

File: JPAB

Nov 4, 2004

PUB-NO: JP02004310645A

DOCUMENT-IDENTIFIER: JP 2004310645 A

TITLE: SALES/CUSTOMER MANAGEMENT METHOD AND SYSTEM FOR PROPANE GAS

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw D
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☐ 3. Document ID: JP 2004024896 A

L1: Entry 3 of 13

File: JPAB

Jan 29, 2004

PUB-NO: JP02004024896A

DOCUMENT-IDENTIFIER: JP 2004024896 A

TITLE: BILL COLLECTION SYSTEM, BILL MANAGEMENT SERVER, AND BILLING SERVER

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw D
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☐ 4. Document ID: JP 2003228766 A

L1: Entry 4 of 13

File: JPAB

Aug 15, 2003

PUB-NO: JP02003228766A

DOCUMENT-IDENTIFIER: JP 2003228766 A

TITLE: LOCKER SYSTEM

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw D
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☐ 5. Document ID: JP 2003216882 A

L1: Entry 5 of 13

File: JPAB

Jul 31, 2003

PUB-NO: JP02003216882A

DOCUMENT-IDENTIFIER: JP 2003216882 A

TITLE: CONVENIENCE STORE SETTLEMENT SUPPORT SYSTEM

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMIC	Drawn De
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☐ 6. Document ID: JP 2003115015 A

L1: Entry 6 of 13

File: JPAB

Apr 18, 2003

PUB-NO: JP02003115015A

DOCUMENT-IDENTIFIER: JP 2003115015 A

TITLE: METHOD FOR DEPUTIZING BILL COLLECTION/SETTLEMENT THROUGH COMMUNICATION NETWORK, AND DATA PROCESSOR THEREFOR

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMIC	Drawn De
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☐ 7. Document ID: JP 2003108907 A

L1: Entry 7 of 13

File: JPAB

Apr 11, 2003

PUB-NO: JP02003108907A

DOCUMENT-IDENTIFIER: JP 2003108907 A

TITLE: COLLECTION AGENCY SYSTEM

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMIC	Drawn De
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☐ 8. Document ID: JP 2003058800 A

L1: Entry 8 of 13

File: JPAB

Feb 28, 2003

PUB-NO: JP02003058800A

DOCUMENT-IDENTIFIER: JP 2003058800 A

TITLE: CHARGE RECEIVING METHOD AND SYSTEM THEREFOR

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	MMIC	Drawn De
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☐ 9. Document ID: JP 2003023657 A

L1: Entry 9 of 13

File: JPAB

Jan 24, 2003

PUB-NO: JP02003023657A

DOCUMENT-IDENTIFIER: JP 2003023657 A

TITLE: COLLECTION AND DELIVERY SYSTEM FOR HOME DELIVERY SERVICE EMPLOYING MOBILE PHONE

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw D
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☐ 10. Document ID: JP 2002261985 A

L1: Entry 10 of 13

File: JPAB

Sep 13, 2002

PUB-NO: JP02002261985A

DOCUMENT-IDENTIFIER: JP 2002261985 A

TITLE: INTERMEDIATING SERVICE BETWEEN EACH COMMUNICATION COMPANY AND EACH USER

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
(charg\$3 near3 collection) and bill\$3 near3 collect\$3	13

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Search Results - Record(s) 11 through 13 of 13 returned.

☐ 11. Document ID: JP 2002163424 A

L1: Entry 11 of 13

File: JPAB

Jun 7, 2002

PUB-NO: JP02002163424A

DOCUMENT-IDENTIFIER: JP 2002163424 A

TITLE: DOCUMENT SUBMITTING SUPPORT SERVICE SYSTEM AND RECORDING MEDIUM

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 12. Document ID: JP 2002109057 A

L1: Entry 12 of 13

File: JPAB

Apr 12, 2002

PUB-NO: JP02002109057A

DOCUMENT-IDENTIFIER: JP 2002109057 A

TITLE: BILLING SUPPORTING SYSTEM FOR NURSING CARE OPERATOR AND COMPUTER READABLE RECORDING MEDIUM

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 13. Document ID: JP 2002007595 A

L1: Entry 13 of 13

File: JPAB

Jan 11, 2002

PUB-NO: JP02002007595A

DOCUMENT-IDENTIFIER: JP 2002007595 A

TITLE: FACILITY SERVICE SUPPORT SYSTEM, COMPUTER FOR SERVICE CENTER, AND RECORDING MEDIUM

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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Clear

Generate Collection

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Fwd Refs

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Generate OACS

Terms

Documents

(charg\$3 near3 collection) and bill\$3 near3 collect\$3

13

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: NNRD410136

L3: Entry 1 of 3

File: TDBD

Jun 1, 1998

TDB-ACC-NO: NNRD410136

DISCLOSURE TITLE: Displaying User Information as Streams with Kinks

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☐ 2. Document ID: NN900518

L3: Entry 2 of 3

File: TDBD

May 1, 1990

TDB-ACC-NO: NN900518

DISCLOSURE TITLE: Remote Access of Facsimile Machine Activity Reports.

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw D
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☐ 3. Document ID: NN87091688

L3: Entry 3 of 3

File: TDBD

Sep 1, 1987

TDB-ACC-NO: NN87091688

DISCLOSURE TITLE: TELEPHONE CALL CONNECTION MONITOR for a TELEPHONE BILLING SYSTEM

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KBRC	Draw De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
(bill\$3 near3 collection)	3

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L3: Entry 3 of 3

File: TDBD

Sep 1, 1987

TDB-ACC-NO: NN87091688

DISCLOSURE TITLE: TELEPHONE CALL CONNECTION MONITOR for a TELEPHONE BILLING SYSTEM

PUBLICATION-DATA:

IBM Technical Disclosure Bulletin, September 1987, US

VOLUME NUMBER: 30

ISSUE NUMBER: 4

PAGE NUMBER: 1688 - 1691

PUBLICATION-DATE: September 1, 1987 (19870901)

CROSS REFERENCE: 0018-8689-30-4-1688

DISCLOSURE TEXT:

- This invention is part of an electronic exchange telephone billing system. The purpose of the billing system is to monitor all outgoing subscriber telephone calls to 1) identify any one of 40,000 subscribers making a call, 2) record the digits dialed by the caller, 3) determine call initiation time, duration of call, and call disconnect time, and 4) properly itemize and bill the effective calls in realtime. The system is a distributed, modular, electronic telephone exchange which includes multiple main control units (MCU) operating in load sharing mode. Each MCU can handle up to 36 new calls simultaneously. The processing of a new call includes 1) the detection of caller off-hook, 2) register assignment, 3) collection at the register of digits dialed by the calling subscriber, and 4) deal location of the register. Another processing unit, called the supervisory processing unit (SPU), is responsible for making, disconnecting, and monitoring paths through the switching matrices of the telephone exchange. This unit is modular and can operate in triple or quad redundancy mode to supervise call connections through the switch. The data collection portion of the telephone billing system includes a hardware monitor card (SPUM) which plugs into the SPU rack and monitors the I/O signals of the SPU as it supervises telephone connections in the switch. This invention provides a method of monitoring subscriber telephone call connections in a 40,000-line electronic telephone exchange. The hardware implementation of this invention resides on the SPUM card. A simplified block diagram of the SPUM is shown in the figure. This logic card monitors the supervisory processor (SPU). The SPU monitors the making and breaking of switch connections between the calling party and called party. As new connections are made, the subscriber's equipment number is passed from the MCU to the SPU. The SPU honors this call connect request by converting the subscriber's equipment number to a connection number which identifies the path through the switch connecting the calling party line (LA) to the called party line (LB). The SPUM interfaces with the following SPU signals to monitor the state of each active call in the switch. LA represents the state of the calling party's connection to the switch matrix. LB represents the state of the called party's connection to the switch matrix. When LA and LB are both active, both parties are communicating with each other through the switching matrix of the exchange. MA is active when a call is being metered (for the old billing scheme). o LA - Calling party connected to switch o LB - Called party connected to switch o MA - Meter pulse active o Call

Connection Address (SA) - 12 bits The SPUM contains a state change table which maintains a copy of these three bits of information for each of up to 6144 possible connections (SAs). Since the exchange is modular, multiple SPU/SPUM will accommodate up to 40,000 subscribers. The state change table is controlled by PLAs which perform the LA, LB, and MA monitoring algorithm. This invention alerts the microprocessor of the SPUM to any changes in the state of any of the 6144 possible switch connections. if a change is detected, the new LA, LB, MA state, the old LA, LB, MA state, and the corresponding call connection address are sent to the buffer in the microprocessor's storage for processing by the SPUM microcode. LA LB MA Meaning ----- 0 0 0 Idle connection. 0 0 1 Invalid - metering on an idle connection. 0 1 0 Called party only - off-hook. 0 1 1 Invalid - metering with LA inactive. 1 0 0 Calling party only - off-hook. 1 1 0 Both parties connected, no metering. 1 1 1 Both parties connected, meter pulse active.

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Generate Collection

Print

L1: Entry 3 of 13

File: JPAB

Jan 29, 2004

PUB-NO: JP02004024896A

DOCUMENT-IDENTIFIER: JP 2004024896 A

TITLE: BILL COLLECTION SYSTEM, BILL MANAGEMENT SERVER, AND BILLING SERVER

PUBN-DATE: January 29, 2004

INVENTOR-INFORMATION:

NAME

COUNTRY

KATO, NOBUYUKI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

TOYOMARU INDUSTRY CO LTD

APPL-NO: JP2003209533

APPL-DATE: August 29, 2003

PRIORITY-DATA: 2002JP-048877 (February 26, 2002)

INT-CL (IPC): A63 F 7/02

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a bill collection system which determines charges for goods, information, services, and devices depending on use information on the used amount of the goods, the information, and the services or operation information on the quantity related to the operation of the device performing prescribed operations and charges them with the cost for communication, a bill management server, and billing server.

SOLUTION: A device 9 for transmitting operation information is provided on a Pachinko machine 8 rented to a Pachinko parlor 2 from a game machine manufacturing company 1, and collects the operation information on the Pachinko machine 8. The operation information is transmitted to a server 4 for collecting operation information from the device 9 by calling up from the server 4, and is transmitted to the bill management server 5 of the company 1 through the Internet 6. The server 5 makes bill collection data on the basis of the operation information and transmits the data to the billing server 10 of a telephone company 3. The telephone company 3 charges the rent and the telephone bill to the Pachinko parlor 2.

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Generate Collection

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TITLE: BILL COLLECTION METHOD AND SYSTEM AND BILL COLLECTION SHEET

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a bill collection method and system and a bill collection sheet alleviating the burden of a person in charge of bill collection and allowing the person to collect bills with efficiency.

SOLUTION: A collection management computer 21 prints the bill collection sheet 50 based on collection data stored in a collection data storage part 22. The bill collection sheet 50 comprises a contact slip, a payment sheet, and a receipt. When collecting a bill from a customer, the person in charge of collection presents the receipt of the bill collection sheet 50 to the customer and transfers the collected bill using the payment sheet from a convenience store SH. A POS terminal 30 in the convenience store SH obtains via a bar code reader 30a information on the slip number of collection data displayed on a payment slip as bar codes, and sends the information to the collection management computer 21 via a POS terminal management computer 31.

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